

***Appendix A***  
***1979 FEMA HEC-2***  
***Model Input and Output***

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JI ICHECK INQ NINV IDIR

J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.0								

NC 0.035 0.030 0.025 0.020 0.015 0.010 0.005 0.000

ET	0.0	0.035	1940.000	0.100	2110.000	29400.000	29400.000	0.0	0.0	0.0
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39.000 15.000 2160.000 0.0 9.100 0.0 1390.000 2290.000

485.000	2110.000	484.600	2160.000	487.800	625.000	487.300	743.000	486.000	1335.000
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[illegible]

38.000	16.000	2226.000	2394.000	1167.000	0.0	1494.000	2394.000
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R	476.400	2271.000	183.000	1531.000	488.100	1830.000	487.800	943.000	491.200	1068.000
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[illegible]

1 37.000 16.000 100.000 1000.000

482.400	644.000	482.900	679.000	491.000	220.000	488.900	600.000	483.800	414.000
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0.035	0.035	0.0	0.0	0.0	0.0	0.0	0.0	95.000	95.100	2300.000
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	<u>9.100</u>	<u>0.0</u>	<u>1733.000</u>	<u>2633.000</u>
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525.000

482.700	2465.000	483.400	2478.000	487.600	2382.000	481.700	2401.000	481.800	2378.900
485.700	2467.000	483.400	2478.000	485.600	2382.000	481.700	2401.000	481.800	2378.900

495.100	2923.000	488.900	2632.100	489.400	2667.000	481.000	2554.000	488.100	2587.000
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[illegible][illegible][illegible]

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BT	29.000	0.0	525.000	525.000	100.000	498.000	498.000	2000.000	498.100	491.000
BT	2118.000	498.800	489.900	2378.900	499.800	487.600	2379.000	505.300	487.600	2381.900
BT	505.300	487.600	2382.000	505.300	495.200	2601.000	505.400	495.300	2428.000	505.500
BT	495.400	2465.000	505.600	495.500	2479.000	505.700	495.600	2479.100	500.200	495.600
BT	2493.000	500.200	495.600	2493.100	500.200	495.600	2497.000	500.200	495.600	2497.100
BT	500.200	495.600	2508.000	500.300	495.700	2558.000	500.500	495.900	2587.000	500.600
BT	496.000	2632.000	500.700	496.100	2632.100	500.700	488.900	2661.000	500.900	489.400
BT	2698.000	501.000	491.000	2737.000	501.100	495.100	2923.000	501.700	495.100	3249.000
BT	501.900	495.100	4082.000	502.900	495.100	5199.000	504.300	501.700	495.100	3249.000
NH	5.000	0.035	241.000	0.050	262.000	0.045	371.000	0.070	764.000	0.035
NH	1434.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	35.000	19.000	241.000	451.000	280.000	120.000	340.000	0.0	0.0	0.0
GR	515.500	0.0	503.000	90.000	491.600	241.000	484.000	262.000	480.600	308.000
GR	479.200	324.000	480.500	341.000	484.200	371.000	484.300	393.000	484.500	405.000
GR	484.100	423.000	483.500	428.000	484.200	432.000	492.800	451.000	496.800	764.000
GR	496.100	1123.000	496.600	1365.000	497.900	1396.000	501.800	1434.000	0.0	0.0
NC	0.035	0.035	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	34.200	19.000	205.000	360.000	330.000	330.000	340.000	0.0	201.000	901.000
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	510.000	0.0	502.000	100.000	501.400	123.000	499.300	497.300	493.200	0.0
GR	482.400	205.100	480.100	236.000	484.200	278.000	483.800	310.000	482.400	205.000
GR	483.900	360.000	483.900	360.100	498.400	364.000	494.500	482.000	485.200	339.000
GR	497.900	893.000	499.100	1035.000	503.400	1661.000	503.600	1692.000	497.700	794.000
SB	0.0	1.560	2.800	0.0	155.000	0.0	1757.000	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	482.500	482.500
X1	34.100	0.0	0.0	0.0	27.000	27.000	27.000	0.0	204.500	904.500
X2	0.0	0.0	1.000	494.900	494.500	27.000	27.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	19.000	0.0	510.000	510.000	100.000	502.000	502.000	499.300	494.500	0.0
BT	200.000	499.300	499.300	205.000	499.300	482.400	205.100	499.300	494.900	501.400
BT	499.100	494.700	278.000	498.900	494.500	310.000	498.700	494.300	339.000	236.000
BT	494.100	360.000	498.400	494.000	360.100	498.400	483.900	364.000	498.400	498.500
BT	482.000	494.500	494.500	794.000	497.700	497.700	893.000	497.900	497.900	1305.000
BT	499.100	499.100	1661.000	503.400	503.400	1695.000	503.600	503.600	0.0	0.0
NC	0.100	0.035	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	65.000	865.000
X1	33.000	21.000	65.000	247.000	130.000	60.000	99.000	0.0	0.0	0.0
GR	508.900	0.0	488.700	65.000	484.200	80.000	482.800	87.000	482.900	111.000
GR	482.700	123.000	483.300	150.000	483.700	181.000	483.900	213.000	484.600	237.000
GR	488.700	247.000	489.700	1303.000	491.900	317.000	495.900	496.000	497.800	706.000
GR	497.300	895.000	498.400	1075.000	497.800	1248.000	497.400	1363.000	495.600	1623.000
GR	503.600	1644.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
NH	4.000	0.100	141.000	0.045	209.000	0.047	390.000	0.035	1284.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	113.000	913.000
X1	32.000	21.000	141.000	269.000	1140.000	460.000	1030.000	0.0	0.0	0.0
GR	512.300	0.0	489.300	30.000	489.600	141.000	486.100	174.000	484.700	201.000
GR	484.300	222.000	484.800	239.000	486.100	257.000	486.700	259.000	493.000	269.000
GR	491.400	380.000	496.200	390.000	495.900	454.000	498.600	634.000	497.800	874.000
GR	497.600	976.000	498.700	1210.000	501.500	1226.000	502.300	1244.000	499.100	1266.000
GR	503.000	1284.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.090	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	3.350	803.350
X1	31.000	40.000	0.0	187.000	1170.000	1110.000	1220.000	0.0	0.0	0.0
GR	507.000	0.0	503.700	0.100	484.700	41.000	483.300	67.000	482.000	80.000
GR	481.700	100.000	482.000	107.000	482.700	1116.000	485.700	153.000	485.200	169.000
GR	486.700	180.000	490.100	187.000	491.700	3.000	494.300	247.000	494.300	287.000

GR	501.500	1226.000	501.300	1047.000	501.400	1147.000	501.200	1202.000	501.600	1216.000
NC	0.100	0.060	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	30.000	35.000	498.000	774.000	499.400	830.000	501.200	910.000		
X4	1.000	506.100	825.000	748.000	820.000	1140.000	3080.000			
GR	516.100	0.0	499.100	38.000	498.000	61.000	496.800	111.000	497.100	161.000
GR	496.800	211.000	496.800	261.000	499.900	278.000	500.300	390.000	500.100	490.000
GR	492.700	545.000	490.700	573.000	491.300	599.000	491.200	634.000	490.200	647.000
GR	490.700	668.000	492.700	688.000	494.400	692.000	494.200	700.000	492.900	712.000
GR	490.100	729.000	492.900	732.000	503.000	748.000	506.000	750.000	504.000	764.000
GR	502.800	790.000	504.400	800.000	503.000	808.000	505.100	925.000	506.100	936.000
QT	6.000	11900.000	506.400	1027.000	510.300	1041.000	510.200	1051.000	519.200	1082.000
NH	5.000	0.100	139.000	0.040	282.000	0.100	29400.000	0.0	0.0	0.0
ET	1994.000	0.0	0.0	0.0	0.0	0.0	0.0	0.030	1700.000	0.050
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	29.000	24.000	139.000	642.000	990.000	1080.000	1090.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	512.800	0.0	497.700	27.000	496.000	139.000	493.800	150.000	491.000	177.000
GR	488.800	217.000	489.900	267.000	493.900	277.000	498.100	284.000	499.500	302.000
GR	498.500	362.000	498.800	456.000	499.100	516.000	497.900	610.000	506.900	642.000
GR	506.900	652.000	502.600	668.000	505.500	678.000	505.400	687.000	500.100	692.000
GR	502.300	1012.000	508.300	1450.000	511.500	1712.000	515.500	1994.000	0.0	0.0
QT	6.000	11700.000	508.300	1450.000	511.500	1712.000	515.500	1994.000	0.0	0.0
NH	7.000	0.100	139.000	0.040	405.000	0.050	28900.000	0.0	0.0	0.0
ET	940.000	0.060	2345.000	0.100	2433.000	0.0	442.000	0.035	846.000	0.020
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	28.000	34.000	139.000	874.000	1150.000	1150.000	1150.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	529.800	0.0	507.800	28.000	506.700	139.000	502.400	140.000	499.500	153.000
GR	497.600	179.000	497.300	207.000	497.300	237.000	496.800	258.000	497.100	289.000
GR	497.400	310.000	497.700	361.000	498.700	383.000	502.400	400.000	503.000	442.000
GR	501.400	824.000	501.600	844.000	509.200	864.000	510.500	874.000	507.300	888.000
GR	509.800	908.000	508.200	914.000	507.000	922.000	503.000	940.000	505.500	984.000
GR	506.200	1497.000	511.000	1547.000	512.500	1848.000	514.900	1857.000	514.300	1879.000
NC	0.060	0.060	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	27.000	33.000	261.000	594.000	2000.000	1410.000	1970.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	527.500	0.0	509.300	43.000	505.800	136.000	505.900	153.000	504.700	164.000
GR	502.300	217.000	504.400	261.000	501.700	265.000	495.900	314.000	493.600	342.000
GR	494.000	354.000	494.900	371.000	496.000	393.000	500.100	430.000	514.000	458.000
GR	513.900	467.000	511.000	474.000	511.000	526.000	513.400	534.000	513.200	545.000
GR	515.200	570.000	516.600	580.000	516.800	594.000	515.400	604.000	511.200	620.000
GR	509.200	697.000	514.900	764.000	517.400	967.000	519.000	979.000	517.900	1005.000
GR	516.800	1348.000	517.400	1426.000	533.000	1486.000	0.0	0.0	0.0	0.0
NH	4.000	0.100	61.000	0.025	207.000	0.040	397.000	0.030	527.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	26.000	28.000	207.000	397.000	520.000	690.000	530.000	0.0	0.0	0.0
GR	527.300	0.0	514.100	25.000	511.800	61.000	512.600	67.000	512.300	87.000
GR	509.900	107.000	509.700	118.000	510.700	159.000	510.900	172.000	508.600	207.000
GR	497.600	221.000	496.100	229.000	496.800	245.000	495.600	261.000	495.900	277.000
GR	496.700	290.000	497.600	307.000	499.200	326.000	497.800	344.000	496.100	363.000
GR	497.800	377.000	504.800	397.000	505.400	423.000	519.800	477.000	519.900	491.000
GR	520.200	511.000	520.700	516.000	520.700	527.000	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.045	0.0300	0.500	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0

ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	25.200	25.000	172.000	404.000	90.000	60.000	83.000	0.0	0.0	104.010	404.010
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	527.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	512.500	103.000	514.100	25.000	511.800	61.000	512.600	510.000	520.300	0.0	0.0
GR	496.300	237.000	497.700	172.000	500.300	191.000	496.100	211.000	512.300	87.000	0.0
GR	495.200	323.000	497.800	273.000	501.300	288.000	499.800	305.000	496.600	230.000	0.0
GR	522.500	491.000	521.700	339.000	502.600	349.000	503.400	380.000	497.000	310.000	0.0
SB	1.050	1.560	2.800	592.000	522.400	701.000	522.900	877.000	515.800	404.000	0.0
NC	0.030	0.030	0.040	0.0	140.000	5.000	3781.000	2.266	499.400	907.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	25.100	20.000	172.000	404.000	27.000	27.000	27.000	0.0	0.0	104.010	404.010
X2	0.0	0.0	1.000	519.700	513.600	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	172.100	514.700	530.000	530.000	11.000	513.600	513.600	513.600	521.200	0.0	0.0
BT	521.200	519.700	513.200	239.000	517.600	516.100	511.000	172.000	514.700	509.200	0.0
GR	530.000	0.0	513.600	529.900	515.800	0.0	0.0	520.500	519.000	404.000	0.0
GR	496.600	230.000	496.300	11.000	509.200	172.000	500.300	191.000	496.100	211.000	0.0
GR	497.000	310.000	495.200	237.000	497.700	273.000	501.300	288.000	499.800	305.000	0.0
GR	510.400	380.100	510.400	323.000	497.800	339.000	502.600	349.000	503.400	380.000	0.0
NC	0.040	0.070	0.040	401.000	515.800	401.100	515.800	404.000	529.900	404.100	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	24.000	15.000	110.000	315.100	100.000	100.000	100.000	0.0	0.0	15.050	315.050
GR	530.000	0.0	513.600	11.000	513.200	39.000	512.600	55.000	513.600	110.000	0.0
GR	497.700	140.000	496.200	166.000	496.500	201.000	497.700	219.000	499.700	235.000	0.0
GR	497.600	240.000	496.600	265.000	497.600	293.000	499.900	315.000	530.000	315.100	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	23.200	0.0	0.0	0.0	675.000	675.000	675.000	0.0	0.0	0.0	0.0
SB	0.0	1.560	3.500	0.0	0.100	0.0	0.010	0.0	0.900	0.0	0.0
NC	0.040	0.020	0.020	0.0	0.0	0.0	0.0	0.0	507.000	507.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	23.100	6.000	0.0	168.000	5.000	5.000	5.000	0.0	0.0	0.0	0.0
X2	0.0	0.0	1.000	507.100	515.700	5.000	5.000	0.0	0.0	0.0	0.0
BT	7.000	0.0	535.000	535.000	10.100	515.700	507.000	150.000	516.700	507.000	0.0
BT	168.000	516.000	507.000	169.000	523.400	523.400	173.000	523.400	523.400	174.000	0.0
GR	536.400	536.400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	535.000	0.0	507.000	0.100	507.000	168.000	523.400	169.000	523.400	173.000	0.0
GR	536.400	174.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.040	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	22.000	13.000	0.0	204.000	1020.000	1020.000	1020.000	0.0	0.0	0.0	0.0
GR	541.200	0.0	515.900	33.000	511.500	79.000	508.200	106.000	507.800	124.000	0.0
GR	507.300	148.000	507.100	169.000	515.900	184.000	525.200	204.000	526.300	210.000	0.0
GR	526.300	223.000	525.200	225.000	534.800	249.000	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0	0.0
NH	5.000	0.030	110.000	0.100	228.000	0.030	407.000	0.040	545.000	0.030	0.0
NH	608.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521.900	110.000	0.0
GR	521.100	163.000	520.900	194.000	520.700	228.000	523.200	263.000	520.000	272.000	0.0
GR	520.600	307.000	519.000	407.000	516.000	410.000	511.700	429.000	509.800	450.000	0.0
GR	508.200	470.000	503.500	492.000	506.000	502.000	506.100	525.000	516.000	535.000	0.0
GR	524.400	545.000	525.800	567.000	526.200	580.000	525.800	580.000	544.400	608.000	0.0
NC	0.050	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521.900	110.000	0.0
GR	521.100	163.000	520.900	194.000	520.700	228.000	523.200	263.000	520.000	272.000	0.0
GR	520.600	307.000	519.000	407.000	516.000	410.000	511.700	429.000	509.800	450.000	0.0
GR	508.200	470.000	503.500	492.000	506.000	502.000	506.100	525.000	516.000	535.000	0.0
GR	524.400	545.000	525.800	567.000	526.200	580.000	525.800	580.000	544.400	608.000	0.0
NC	0.050	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521.900	110.000	0.0
GR	521.100	163.000	520.900	194.000	520.700	228.000	523.200	263.000	520.000	272.000	0.0
GR	520.600	307.000	519.000	407.000	516.000	410.000	511.700	429.000	509.800	450.000	0.0
GR	508.200	470.000	503.500	492.000	506.000	502.000	506.100	525.000	516.000	535.000	0.0
GR	524.400	545.000	525.800	567.000	526.200	580.000	525.800	580.000	544.400	608.000	0.0
NC	0.050	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521.900	110.000	0.0
GR	521.100	163.000	520.900	194.000	520.700	228.000	523.200	263.000	520.000	272.000	0.0
GR	520.600	307.000	519.000	407.000	516.000	410.000	511.700	429.000	509.800	450.000	0.0
GR	508.200	470.000	503.500	492.000	506.000	502.000	506.100	525.000	516.000	535.000	0.0
GR	524.400	545.000	525.800	567.000	526.200	580.000	525.800	580.000	544.400	608.000	0.0
NC	0.050	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521.900	110.000	0.0
GR	521.100	163.000	520.900	194.000	520.700	228.000	523.200	263.000	520.000	272.000	0.0
GR	520.600	307.000	519.000	407.000	516.000	410.000	511.700	429.000	509.800	450.000	0.0
GR	508.200	470.000	503.500	492.000	506.000	502.000	506.100	525.000	516.000	535.000	0.0
GR	524.400	545.000	525.800	567.000	526.200	580.000	525.800	580.000	544.400	608.000	0.0
NC	0.050	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521.900	110.000	0.0
GR	521.100	163.000	520.900	194.000	520.700	228.000	523.200	263.000	520.000	272.000	0.0
GR	520.600	307.000	519.000	407.000	516.000	410.000	511.700	429.000	509.800	450.000	0.0
GR	508.200	470.000	503.500	492.000	506.000	502.000	506.100	525.000	516.000	535.000	0.0
GR	524.400	545.000	525.800	567.000	526.200	580.000	525.800	580.000	544.400	608.000	0.0
NC	0.050	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.000	25.000	407.000	545.000	1590.000	1770.000	1770.000	0.0	0.0	0.0	0.0
GR	530.400	0.0	522.700	22.000	522.700	43.000	505.100	63.000	521		



GR	571.700	184.000	518.700	74.000	507.700	109.000	511.600	122.000	515.700	159.000
GR	524.600	965.000	523.700	200.000	519.600	450.000	519.400	710.000	519.400	930.000
GR	525.700	1676.000	537.400	1704.000	538.400	1722.000	537.700	1626.000	523.900	1649.000
NH	4.000	0.010	80.000	1805.000	0.0	0.0	0.0	1737.000	535.200	1746.000
ET	0.0	0.0	0.0	0.0	287.000	0.040	558.000	0.030	1029.000	0.0
X1	19.000	25.000	287.000	558.000	1030.000	1150.000	1120.000	0.0	150.000	850.000
GR	552.100	0.0	525.500	76.000	524.800	80.000	518.600	0.0	0.0	0.0
GR	516.100	289.000	515.400	305.000	516.100	321.000	516.900	90.000	518.900	287.000
GR	515.200	456.000	514.800	479.000	514.200	500.000	514.100	373.000	516.100	426.000
GR	520.000	558.000	520.700	649.000	522.400	915.000	528.400	510.000	516.100	547.000
GR	525.400	969.000	526.700	979.000	525.300	989.000	538.600	941.000	526.800	950.000
NH	4.000	0.030	1022.000	0.100	1266.000	0.040	1427.000	1021.000	539.200	1029.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.030	2370.000	0.0
X1	18.000	38.000	1266.000	1485.000	1070.000	1280.000	1430.000	0.0	231.000	1481.000
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	550.500	0.0	521.900	58.000	517.900	71.000	519.700	517.000	532.300	0.0
GR	520.500	708.000	523.000	1022.000	523.200	1266.000	516.200	180.000	521.900	486.000
GR	514.100	1300.000	514.200	1317.000	514.400	1330.000	515.300	1284.000	513.600	1286.000
GR	514.000	1407.000	516.100	1416.000	523.700	1427.000	523.800	1360.000	516.000	1381.000
GR	530.400	1476.000	532.300	1485.000	530.800	1495.000	531.400	1457.000	525.200	1460.000
GR	530.900	1533.000	529.200	1542.000	521.900	1565.000	520.300	1508.000	529.600	1519.000
GR	531.100	1887.000	532.200	2061.000	535.400	2070.000	535.500	1701.000	520.400	1830.000
GR	532.400	2104.000	537.500	2310.000	555.900	2370.000	0.0	2075.000	533.800	2097.000
NH	4.000	0.040	175.000	0.100	230.000	0.035	1467.000	0.030	2100.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	56.000	556.000
X1	17.000	23.000	0.0	175.000	1790.000	1720.000	1850.000	0.0	0.0	0.0
GR	581.700	0.0	517.700	70.000	513.100	95.000	516.600	145.000	517.700	170.000
GR	523.500	175.000	527.700	230.000	520.200	510.000	532.300	710.000	531.600	940.000
GR	531.900	1070.000	534.800	1260.000	534.400	1467.000	536.800	1482.000	534.900	1502.000
GR	537.000	1527.000	531.500	1573.000	530.900	1660.000	536.100	1800.000	530.600	1844.000
GR	530.300	1988.000	531.000	2040.000	570.000	2100.000	0.0	0.0	0.0	0.0
NH	4.000	0.035	1475.000	0.100	1515.000	0.040	1680.000	0.025	2036.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	210.000	1660.000
X1	16.000	22.000	1515.000	1680.000	1050.000	1650.000	2400.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	550.000	0.0	538.400	75.000	523.700	125.000	525.800	523.700	537.700	0.0
GR	524.700	805.000	527.400	1075.000	529.300	1475.000	528.800	335.000	524.400	545.000
GR	519.000	1584.000	516.100	1615.000	519.000	1637.000	535.100	1515.000	520.300	1552.000
GR	537.300	1705.000	536.900	1719.000	535.200	1736.000	531.300	1662.000	537.700	1680.000
GR	530.300	1915.000	560.500	2036.000	0.0	0.0	0.0	1765.000	530.600	1785.000
NH	6.000	0.035	1192.000	0.100	1232.000	0.040	1390.000	0.100	1470.000	0.035
NH	1550.000	0.030	1856.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	127.000	1577.000
X1	15.000	24.000	1232.000	1604.000	1020.000	1030.000	1080.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	541.700	0.0	530.600	132.000	529.300	402.000	527.800	524.400	537.900	0.0
GR	525.200	1012.000	526.000	1128.000	526.200	1192.000	527.300	692.000	524.400	882.000
GR	517.900	1310.000	513.600	1342.000	517.900	1362.000	529.400	1232.000	518.700	1292.000
GR	529.500	1550.000	537.900	1604.000	529.200	1662.000	531.300	1390.000	529.800	1407.000
GR	532.700	1806.000	532.300	1824.000	530.600	1834.000	539.900	1669.000	531.400	1799.000
NH	6.000	0.035	14.000	0.040	151.000	0.100	462.000	0.020	480.000	0.035
NH	1065.000	0.030	1635.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	22.910	422.910
X1	14.000	32.000	14.000	151.000	1370.000	1430.000	1580.000	0.0	0.0	0.0
GR	550.000	670.000	545.000	630.000	540.000	480.000	538.100	0.100	538.000	14.000
GR	523.800	50.000	523.300	67.000	521.900	90.000	521.200	94.000	523.300	140.000
GR	528.800	151.000	528.400	180.000	527.900	352.000	531.900	360.000	532.500	427.000
GR	527.100	644.000	530.500	642.000	530.500	680.000	532.100	680.000	532.100	680.000



X1	8.000	33.000	477.000	653.000	470.000	490.000	470.000	0.0	0.0	0.0
GR	549.600	0.0	544.300	40.000	540.400	100.000	538.800	171.000	539.000	260.000
GR	539.300	295.000	539.300	335.000	539.800	360.000	539.900	385.000	540.200	405.000
GR	540.400	430.000	540.800	453.000	541.400	477.000	536.200	480.000	534.600	510.000
GR	533.600	512.000	530.600	514.000	526.600	608.000	528.500	619.000	530.600	633.000
GR	533.900	636.000	539.800	653.000	540.400	666.000	542.400	930.000	542.900	986.000
GR	543.100	1045.000	543.400	1066.000	544.500	1156.000	546.900	1160.000	541.600	1200.000
GR	551.400	1225.000	552.200	1256.000	553.500	1260.000	0.0	0.0	0.0	0.0
NC	0.045	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	40.000	440.000
X1	7.000	27.000	114.000	291.000	2600.000	2450.000	2530.000	0.0	0.0	0.0
GR	557.900	0.0	552.900	18.000	538.800	57.000	539.500	114.000	533.300	119.000
GR	532.700	137.000	533.300	151.000	533.400	164.000	534.100	181.000	533.200	237.000
GR	532.400	249.000	532.300	265.000	531.400	279.000	533.000	289.000	536.900	291.000
GR	546.700	379.000	547.800	599.000	550.900	795.000	550.200	839.000	549.700	1599.000
GR	549.300	1659.000	552.800	1671.000	554.000	1719.000	550.600	1755.000	552.300	1769.000
GR	550.400	1779.000	559.600	1829.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.045	0.025	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	58.000	458.000
X1	6.000	20.000	69.000	189.000	2050.000	1840.000	2050.000	0.0	0.0	0.0
GR	574.900	0.0	559.000	43.000	542.900	69.000	537.800	79.000	536.500	95.000
GR	536.600	119.000	536.300	148.000	536.500	165.000	537.800	183.000	542.400	189.000
GR	546.600	249.000	548.700	604.000	550.000	894.000	551.600	1375.000	559.400	1414.000
GR	556.800	1425.000	557.300	1444.000	555.800	1458.000	568.500	1479.000	570.600	1507.000
NC	0.045	0.025	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	90.000	490.000
X1	5.000	18.000	90.000	218.000	1280.000	1260.000	1280.000	0.0	0.0	0.0
GR	575.000	75.000	558.000	0.100	550.700	11.000	550.700	41.000	543.500	90.000
GR	539.700	99.000	538.700	130.000	538.300	155.000	538.100	172.000	537.700	185.000
GR	532.500	192.000	539.700	202.000	548.000	218.000	550.100	282.000	550.400	324.000
GR	551.700	795.000	561.900	814.000	562.800	834.000	0.0	0.0	0.0	0.0
NC	0.030	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	398.000	558.000
X1	4.000	12.000	417.000	547.000	1260.000	1180.000	1260.000	0.0	0.0	0.0
GR	569.700	0.0	561.900	41.000	563.200	373.000	549.000	417.000	544.100	422.000
GR	541.500	432.000	536.000	476.000	538.800	525.000	544.100	530.000	551.800	547.000
GR	554.200	561.000	567.500	619.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	85.000	245.000
X1	3.000	16.000	85.000	244.000	1150.000	1950.000	1830.000	0.0	0.0	0.0
GR	567.500	0.0	562.300	5.000	557.300	10.000	556.100	25.000	553.700	85.000
GR	547.200	124.000	546.200	146.000	544.600	173.000	546.500	197.000	547.200	222.000
GR	562.200	244.000	559.000	439.000	568.300	479.000	563.700	495.000	575.000	519.000
GR	575.500	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.030	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	9.100	0.0	28.000	528.000
X1	2.000	15.000	28.000	233.000	730.000	700.000	710.000	0.0	0.0	0.0
GR	571.600	0.0	554.200	28.000	550.800	157.000	547.000	168.000	545.900	187.000
GR	545.100	205.000	550.800	216.000	553.000	223.000	564.000	233.000	559.700	477.000
GR	561.800	638.000	561.300	820.000	566.700	832.000	563.000	860.000	574.000	894.000
NC	0.035	0.090	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	10.400	0.0	0.0	0.0
X1	1.000	16.000	1115.000	1234.000	2000.000	1410.000	1960.000	0.0	0.0	0.0
GR	576.300	0.0	571.700	338.000	572.600	710.000	573.000	922.000	566.200	1115.000
GR	557.300	1123.000	554.100	1131.000	552.600	1173.000	552.300	1213.300	557.200	1213.100
GR	561.600	1236.000	566.400	1277.000	571.300	1318.000	571.500	1327.000	575.100	1330.000
GR	583.500	1333.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



HEC2 VERSION UPDATED JAN 1975  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
MODIFICATIONS 52,53,54,55,56,57,58

## SUMMARY PRINTOUT FOR MULTIPLE PROFILES

## HOOSTIC RIVER

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE TCFSC	CMSL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
39.00	0.0	0.0	0.0	476.00	29400.00	488.67	3929.61	489.76	1878.01	0.0	0.0	488.70
39.00	0.0	0.0	0.0	476.00	29400.00	489.70	4299.54	490.31	899.09	1390.00	2290.00	489.70
38.00	1620.00	0.0	0.0	475.50	29400.00	493.06	8087.75	493.45	1526.95	0.0	0.0	0.0
38.00	1620.00	0.0	0.0	475.50	29400.00	493.67	8529.27	494.07	900.00	1494.00	2394.00	0.0
37.00	1990.00	0.0	0.0	482.40	29400.00	495.50	7168.61	496.04	2282.99	0.0	0.0	0.0
37.00	1990.00	0.0	0.0	482.40	29400.00	495.94	7420.70	496.43	900.00	100.00	1000.00	0.0
36.20	210.00	0.0	0.0	480.30	29400.00	496.16	11287.31	496.34	2032.73	0.0	0.0	0.0
36.20	210.00	0.0	0.0	480.30	29400.00	496.44	10495.96	496.72	899.00	1733.00	2633.00	0.0
36.10	22.00	498.00	496.10	480.30	29400.00	498.53	20854.78	498.60	2533.98	0.0	0.0	0.0
36.10	22.00	498.00	496.10	480.30	29400.00	498.56	15611.44	498.73	899.00	1733.00	2633.00	0.0
35.00	340.00	0.0	0.0	479.20	29400.00	498.37	7167.36	499.03	1249.21	0.0	0.0	0.0
35.00	340.00	0.0	0.0	479.20	29400.00	498.39	6292.26	499.35	700.00	241.00	941.00	0.0
34.20	340.00	0.0	0.0	480.10	29400.00	498.68	5887.94	500.09	785.33	0.0	0.0	0.0
34.20	340.00	0.0	0.0	480.10	29400.00	498.98	6245.20	500.24	700.00	201.00	901.00	0.0
34.10	27.00	494.50	494.90	480.10	29400.00	499.29	6276.00	500.38	856.34	0.0	0.0	0.0
34.10	27.00	494.50	494.90	480.10	29400.00	499.37	6727.94	500.47	700.00	204.50	904.50	0.0
33.00	99.00	0.0	0.0	482.70	29400.00	500.49	13306.32	500.71	1608.75	0.0	0.0	0.0
33.00	99.00	0.0	0.0	482.70	29400.00	500.38	10797.94	500.78	800.00	65.00	865.00	0.0
32.00	1030.00	0.0	0.0	484.30	29400.00	500.92	8495.07	501.33	1225.92	0.0	0.0	0.0
32.00	1030.00	0.0	0.0	484.30	29400.00	501.04	7174.37	501.71	800.00	113.00	913.00	0.0
31.00	1220.00	0.0	0.0	481.70	29400.00	502.35	7670.18	502.93	1446.40	0.0	0.0	0.0
31.00	1220.00	0.0	0.0	481.70	29400.00	502.91	8141.39	503.45	800.00	3.35	803.35	0.0
30.00	3080.00	0.0	0.0	490.10	29400.00	505.97	8007.89	506.49	954.80	0.0	0.0	0.0
30.00	3080.00	0.0	0.0	490.10	29400.00	506.19	8289.29	506.68	800.00	22.65	822.65	0.0
29.00	1090.00	0.0	0.0	488.80	29400.00	507.26	12345.02	507.42	1364.39	0.0	0.0	0.0
29.00	1090.00	0.0	0.0	488.80	29400.00	507.49	10508.48	507.76	800.00	139.00	939.00	0.0
28.00	1150.00	0.0	0.0	496.80	28900.00	507.98	8066.38	508.46	833.35	0.0	0.0	0.0
28.00	1150.00	0.0	0.0	496.80	28900.00	508.43	8880.76	508.85	800.00	61.12	861.12	0.0
27.00	1970.00	0.0	0.0	493.60	28900.00	511.36	5188.28	512.37	468.36	0.0	0.0	0.0
27.00	1970.00	0.0	0.0	493.60	28900.00	510.93	4526.70	513.00	190.43	261.00	461.00	0.0
26.00	530.00	0.0	0.0	495.60	28900.00	512.41	6821.44	513.69	384.47	0.0	0.0	0.0
26.00	530.00	0.0	0.0	495.60	28900.00	512.98	6658.08	514.48	200.00	207.00	407.00	0.0
25.20	83.00	0.0	0.0	495.20	28900.00	512.44	5973.24	513.99	328.75	0.0	0.0	0.0
25.20	83.00	0.0	0.0	495.20	28900.00	513.41	6808.57	514.70	295.37	104.01	404.01	0.0
25.10	27.00	513.60	519.70	495.20	28900.00	514.19	7025.54	515.25	390.40	0.0	0.0	0.0
25.10	27.00	513.60	519.70	495.20	28900.00	514.65	7361.45	515.67	297.07	104.01	404.01	0.0

SECTION NUMBER	CHANNEL LENGTH	MIN-EL-OF- ROADWAY	MAX-EL-OF- LOW CHORD	MIN-EL-OF- GROUND	DISCHARGE XCFS	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
24.00	100.00	0.0	0.0	496.20	28900.00	514.27	7131.27	515.50	304.50	0.0	0.0	0.0
24.00	100.00	0.0	0.0	496.20	28900.00	514.74	7511.41	515.88	300.00	15.05	315.05	0.0
23.20	675.00	0.0	0.0	497.10	28900.00	515.41	7312.34	516.59	304.00	0.0	0.0	0.0
23.20	675.00	0.0	0.0	497.10	28900.00	515.76	7412.84	516.87	304.00	10.40	315.05	0.0
23.10	5.00	515.70	507.10	507.00	28900.00	528.58	19323.42	529.56	173.00	0.0	0.0	0.0
23.10	5.00	515.70	507.10	507.00	28900.00	528.57	19299.82	529.55	173.00	0.01	173.40	0.0
22.00	1020.00	0.0	0.0	507.10	28900.00	528.90	7311.50	530.20	224.36	0.0	0.0	0.0
22.00	1020.00	0.0	0.0	507.10	28900.00	528.86	7192.48	530.22	187.00	0.0	204.00	528.50
21.00	1770.00	0.0	0.0	503.50	28900.00	530.97	17980.45	531.21	592.11	0.0	0.0	0.0
21.00	1770.00	0.0	0.0	503.50	28900.00	531.18	14351.80	531.56	450.00	95.00	545.00	0.0
20.00	1680.00	0.0	0.0	507.70	28900.00	531.35	38166.20	531.40	1635.23	0.0	0.0	0.0
20.00	1680.00	0.0	0.0	507.70	28900.00	531.75	34964.74	531.82	1249.71	54.04	1303.75	0.0
19.00	1120.00	0.0	0.0	514.10	28900.00	531.40	25974.35	531.51	944.53	0.0	0.0	0.0
19.00	1120.00	0.0	0.0	514.10	28900.00	531.80	22710.83	531.96	700.00	150.00	850.00	0.0
18.00	1430.00	0.0	0.0	513.60	28900.00	531.58	32600.02	531.63	1443.19	0.0	0.0	0.0
18.00	1430.00	0.0	0.0	513.60	28900.00	532.05	28752.59	532.12	1250.00	231.00	1481.00	0.0
17.00	1850.00	0.0	0.0	513.10	28900.00	530.85	5223.35	532.55	793.91	0.0	0.0	0.0
17.00	1850.00	0.0	0.0	513.10	28900.00	531.64	5922.89	533.01	500.00	56.00	556.00	0.0
16.00	2400.00	0.0	0.0	516.10	28900.00	533.50	20440.14	533.59	1567.03	0.0	0.0	0.0
16.00	2400.00	0.0	0.0	516.10	28900.00	533.88	20245.20	533.98	1450.00	210.00	1660.00	0.0
15.00	1080.00	0.0	0.0	513.60	28900.00	533.73	15403.49	533.87	1482.42	0.0	0.0	0.0
15.00	1080.00	0.0	0.0	513.60	28900.00	534.15	16709.70	534.24	1450.00	127.00	1577.00	0.0
14.00	1580.00	0.0	0.0	521.20	28900.00	534.50	3088.37	538.02	410.78	0.0	0.0	0.0
14.00	1580.00	0.0	0.0	521.20	28900.00	534.43	3049.06	538.03	399.00	22.91	422.91	0.0
13.00	700.00	0.0	0.0	520.40	28900.00	539.51	6000.30	541.05	258.71	0.0	0.0	0.0
13.00	700.00	0.0	0.0	520.40	28900.00	539.55	6026.11	541.08	244.00	190.00	590.00	0.0
12.20	37.00	0.0	0.0	521.60	28900.00	538.94	4061.17	541.86	174.00	0.0	0.0	0.0
12.20	37.00	0.0	0.0	521.60	28900.00	538.99	4084.65	541.88	174.00	192.00	642.00	0.0
12.10	28.00	541.10	539.90	521.60	28900.00	541.24	5575.14	543.12	518.72	0.0	0.0	0.0
12.10	28.00	541.10	539.90	521.60	28900.00	541.21	5464.57	543.14	400.00	214.00	614.00	0.0
11.00	57.00	0.0	0.0	520.20	28900.00	542.72	9340.03	543.53	859.78	0.0	0.0	0.0
11.00	57.00	0.0	0.0	520.20	28900.00	542.46	8420.76	543.51	400.00	165.00	565.00	0.0
10.00	370.00	0.0	0.0	522.70	28900.00	543.32	9846.13	543.87	767.00	0.0	0.0	0.0
10.00	370.00	0.0	0.0	522.70	28900.00	543.22	9106.25	543.92	400.00	48.00	468.00	0.0
9.00	1830.00	0.0	0.0	526.50	27800.00	544.93	8473.34	545.56	538.89	0.0	0.0	0.0
9.00	1830.00	0.0	0.0	526.50	27800.00	545.10	8023.07	545.86	400.00	75.00	475.00	0.0



SECTION NUMBER	CHANNEL LENGTH	MIN. EL. OF ROADWAY	MAX. EL. OF LOW CHORD	MIN. EL. OF GROUND	DISCHARGE XCFS	CWSEL	TQ	EG	TOPWID	STENCL	STENCA	WSELK
8.00	470.00	0.0	0.0	526.60	27800.00	545.64	11628.48	545.95	1167.00	0.0	0.0	0.0
8.00	470.00	0.0	0.0	526.60	27800.00	545.87	10301.96	546.32	700.00	210.00	910.00	0.0
7.00	2530.00	0.0	0.0	531.40	27800.00	547.44	6890.74	548.44	493.21	0.0	0.0	0.0
7.00	2530.00	0.0	0.0	531.40	27800.00	548.03	7534.84	548.91	400.00	40.00	440.00	0.0
6.00	2050.00	0.0	0.0	536.30	27800.00	551.00	6386.07	551.94	1139.72	0.0	0.0	0.0
6.00	2050.00	0.0	0.0	536.30	27800.00	551.17	5685.53	552.61	400.00	58.00	458.00	0.0
5.00	1280.00	0.0	0.0	532.50	27800.00	553.43	6095.30	554.50	791.29	0.0	0.0	0.0
5.00	1280.00	0.0	0.0	532.50	27800.00	554.14	5831.15	555.58	400.00	90.00	490.00	0.0
4.00	1260.00	0.0	0.0	536.00	27800.00	555.61	4586.70	558.40	170.67	0.0	0.0	0.0
4.00	1260.00	0.0	0.0	536.00	27800.00	556.67	5168.65	559.05	160.00	398.00	558.00	0.0
3.00	1830.00	0.0	0.0	544.60	27800.00	562.47	5356.89	564.16	649.07	0.0	0.0	0.0
3.00	1830.00	0.0	0.0	544.60	27800.00	562.41	4729.79	564.81	160.00	85.00	245.00	0.0
2.00	710.00	0.0	0.0	545.10	27800.00	564.85	8130.74	565.47	636.70	0.0	0.0	0.0
2.00	710.00	0.0	0.0	545.10	27800.00	565.57	7874.25	566.35	500.00	28.00	528.00	0.0
1.00	1960.00	0.0	0.0	552.30	27800.00	567.08	2795.86	572.34	192.76	0.0	0.0	0.0
1.00	1960.00	0.0	0.0	552.30	27800.00	567.59	2941.82	572.69	121.00	1115.00	1236.00	567.08

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL-MSELK	TOPWID	T.W. DIFF	LENGTH
39.000	29400.000	488.470	0.0	0.0	0.0	1878.609	0.0	0.0
39.000	29400.000	489.700	1.030	0.0	0.0	899.087	979.522	0.0
38.000	29400.000	493.062	0.0	4.391	0.0	1526.954	0.0	1620.000
38.000	29400.000	493.671	0.610	3.972	0.0	899.999	626.955	1620.000
37.000	29400.000	495.577	0.0	2.515	0.0	2282.993	0.0	1990.000
37.000	29400.000	495.944	0.367	2.272	0.0	899.999	1382.994	1990.000
36.200	29400.000	496.160	0.0	0.583	0.0	2032.729	0.0	210.000
36.200	29400.000	496.443	0.284	0.500	0.0	899.000	1133.729	210.000
36.100	29400.000	498.534	0.0	2.374	0.0	2533.975	0.0	22.000
36.100	29400.000	498.560	0.026	2.117	0.0	899.000	1636.975	22.000
35.000	29400.000	498.366	0.0	-0.168	0.0	1249.210	0.0	340.000
35.000	29400.000	498.390	0.024	-0.170	0.0	699.999	549.211	340.000
34.200	29400.000	498.678	0.0	0.312	0.0	785.332	0.0	340.000
34.200	29400.000	498.981	0.303	0.591	0.0	699.999	85.333	340.000
34.100	29400.000	499.288	0.0	0.610	0.0	856.544	0.0	27.000
34.100	29400.000	499.374	0.086	0.393	0.0	699.999	156.545	27.000
33.000	29400.000	500.486	0.0	1.199	0.0	1608.753	0.0	99.000
33.000	29400.000	500.378	-0.108	1.004	0.0	799.999	806.754	99.000
32.000	29400.000	500.916	0.0	0.429	0.0	1225.921	0.0	1030.000
32.000	29400.000	501.038	0.122	0.659	0.0	799.999	425.922	1030.000
31.000	29400.000	502.347	0.0	1.431	0.0	1446.400	0.0	1220.000
31.000	29400.000	502.909	0.563	1.872	0.0	799.998	646.402	1220.000
30.000	29400.000	505.968	0.0	3.621	0.0	954.860	0.0	3080.000
30.000	29400.000	506.187	0.219	3.277	0.0	799.999	154.862	3080.000



29.000	29400.000	507.263	0.0	1.295	0.0	1364.392	0.0	1090.000
29.000	29400.000	507.493	0.231	1.307	0.0	799.999	564.393	1090.000
28.000	28900.000	507.983	0.0	0.720	0.0	833.351	0.0	1150.000
28.000	28900.000	508.427	0.444	0.934	0.0	799.998	33.353	1150.000
27.000	28900.000	511.355	0.0	3.373	0.0	468.564	0.0	1970.000
27.000	28900.000	510.929	-0.426	2.502	0.0	190.826	277.738	1970.000
26.000	28900.000	512.406	0.0	1.051	0.0	384.473	0.0	530.000
26.000	28900.000	512.983	0.576	2.053	0.0	199.999	184.474	530.000
25.200	28900.000	512.441	0.0	0.035	0.0	328.754	0.0	83.000
25.200	28900.000	513.414	0.973	0.431	0.0	295.374	33.381	83.000
25.100	28900.000	514.186	0.0	1.745	0.0	390.463	0.0	27.000
25.100	28900.000	514.649	0.463	1.235	0.0	297.068	93.395	27.000
24.000	28900.000	514.271	0.0	0.085	0.0	304.497	0.0	100.000
24.000	28900.000	514.741	0.471	0.093	0.0	299.998	4.500	100.000
23.200	28900.000	515.405	0.0	1.135	0.0	304.649	0.0	675.000
23.200	28900.000	515.755	0.350	1.014	0.0	304.648	0.001	675.000
23.100	28900.000	528.582	0.0	13.177	0.0	173.374	0.0	5.000
23.100	28900.000	528.566	-0.016	12.811	0.0	173.374	0.002	5.000
22.000	28900.000	528.901	0.0	0.319	0.0	224.359	0.0	1020.000
22.000	28900.000	528.863	-0.038	0.297	-0.038	187.921	36.437	1020.000
21.000	28900.000	530.968	0.0	2.067	0.0	592.112	0.0	1770.000
21.000	28900.000	531.179	0.211	2.316	0.0	449.999	142.113	1770.000
20.000	28900.000	531.351	0.0	0.383	0.0	1635.233	0.0	1680.000
20.000	28900.000	531.754	0.403	0.575	0.0	1249.709	385.525	1680.000
19.000	28900.000	531.398	0.0	0.047	0.0	944.525	0.0	1120.000
19.000	28900.000	531.804	0.406	0.050	0.0	699.999	244.527	1120.000
18.000	28900.000	531.576	0.0	0.178	0.0	1443.193	0.0	1430.000
18.000	28900.000	532.050	0.474	0.246	0.0	1249.999	193.194	1430.000
17.000	28900.000	530.847	0.0	-0.729	0.0	793.914	0.0	1850.000
17.000	28900.000	531.638	0.791	-0.412	0.0	499.999	293.915	1850.000
16.000	28900.000	533.496	0.0	2.649	0.0	1567.832	0.0	2400.000
16.000	28900.000	533.881	0.385	2.243	0.0	1449.999	117.833	2400.000
15.000	28900.000	533.729	0.0	0.233	0.0	1482.420	0.0	1080.000
15.000	28900.000	534.113	0.384	0.232	0.0	1449.999	32.421	1080.000
14.000	28900.000	534.497	0.0	0.768	0.0	410.777	0.0	1580.000
14.000	28900.000	534.432	-0.065	0.319	0.0	399.863	10.914	1580.000
13.000	28900.000	539.513	0.0	5.016	0.0	258.714	0.0	700.000
13.000	28900.000	539.550	0.038	5.119	0.0	244.986	13.728	700.000
12.200	28900.000	538.943	0.0	-0.569	0.0	174.000	0.0	37.000
12.200	28900.000	538.986	0.042	-0.565	0.0	174.000	0.0	37.000
12.100	28900.000	541.241	0.0	2.298	0.0	518.724	0.0	28.000
12.100	28900.000	541.213	-0.028	2.227	0.0	399.999	118.725	28.000
11.000	28900.000	542.724	0.0	1.483	0.0	859.775	0.0	57.000
11.000	28900.000	542.461	-0.262	1.249	0.0	399.999	459.777	57.000

10.000	28900.000	543.325	0.0	0.601	0.0	767.856	0.0	370.000
10.000	28900.000	543.225	-0.100	0.763	0.0	399.999	367.857	370.000
9.000	27800.000	544.926	0.0	1.601	0.0	538.893	0.0	1830.000
9.000	27800.000	545.099	0.173	1.474	0.0	399.999	134.894	1830.000
8.000	27800.000	545.638	0.0	0.712	0.0	1167.079	0.0	470.000
8.000	27800.000	545.866	0.229	0.768	0.0	699.999	467.081	470.000
7.000	27800.000	547.436	0.0	1.798	0.0	493.207	0.0	2530.000
7.000	27800.000	548.025	0.590	2.159	0.0	399.999	93.208	2530.000
6.000	27800.000	551.001	0.0	5.566	0.0	1139.716	0.0	2050.000
6.000	27800.000	551.171	0.170	3.146	0.0	399.999	739.717	2050.000
5.000	27800.000	553.426	0.0	2.424	0.0	791.288	0.0	1280.000
5.000	27800.000	554.137	0.711	2.965	0.0	399.999	391.289	1280.000
4.000	27800.000	555.614	0.0	2.188	0.0	170.666	0.0	1260.000
4.000	27800.000	556.669	1.055	2.532	0.0	159.999	10.667	1260.000
3.000	27800.000	562.466	0.0	6.852	0.0	449.067	0.0	1830.000
3.000	27800.000	562.406	-0.060	5.737	0.0	159.999	289.068	1830.000
2.000	27800.000	564.847	0.0	2.381	0.0	836.705	0.0	710.000
2.000	27800.000	565.569	0.722	3.163	0.0	499.999	336.706	710.000
1.000	27800.000	567.082	0.0	2.235	0.0	192.760	0.0	1960.000
1.000	27800.000	567.586	0.504	2.017	0.504	121.001	71.759	1960.000

DATA FOR LAST CROSS SECTION  
PROFILE TYPE ENC

		TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	841.516	0.0
2	4.000	0.029	562.848	278.668